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GMD/PAG/M-90-65  
11 June 1965

MEMORANDUM FOR: NSA/TCO 25X1A  
ATTENTION: [REDACTED]  
THROUGH: [REDACTED] NSA/LO/NPIC  
SUBJECT: Chinese Shipyards and Port Facilities  
REFERENCE: Requirement No. [REDACTED] NPIC Project  
No. 12037-64 (Partial answer)

In response to the reference requirement, the attached material  
is forwarded herewith:

Pre-release of Detailed Photographic Interpretation  
Report, "Lu-shun-kou Complex, China".

[REDACTED]  
Colonel, USA  
Assistant for Photographic Analysis, NPIC

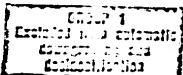
Attachment:  
As stated above

25X1A

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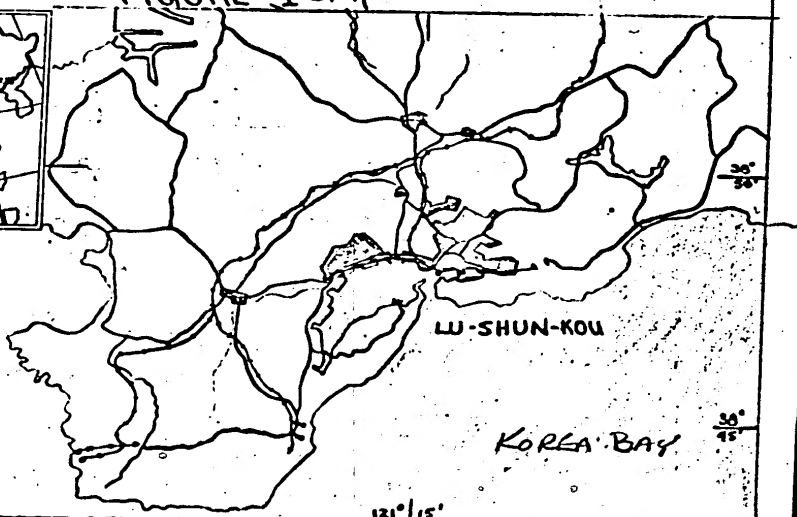


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FIGURE-1 OF 4



121° 05'

121° 15'

36° 45'

# LU-SHUN-KOU PORT FACILITIES

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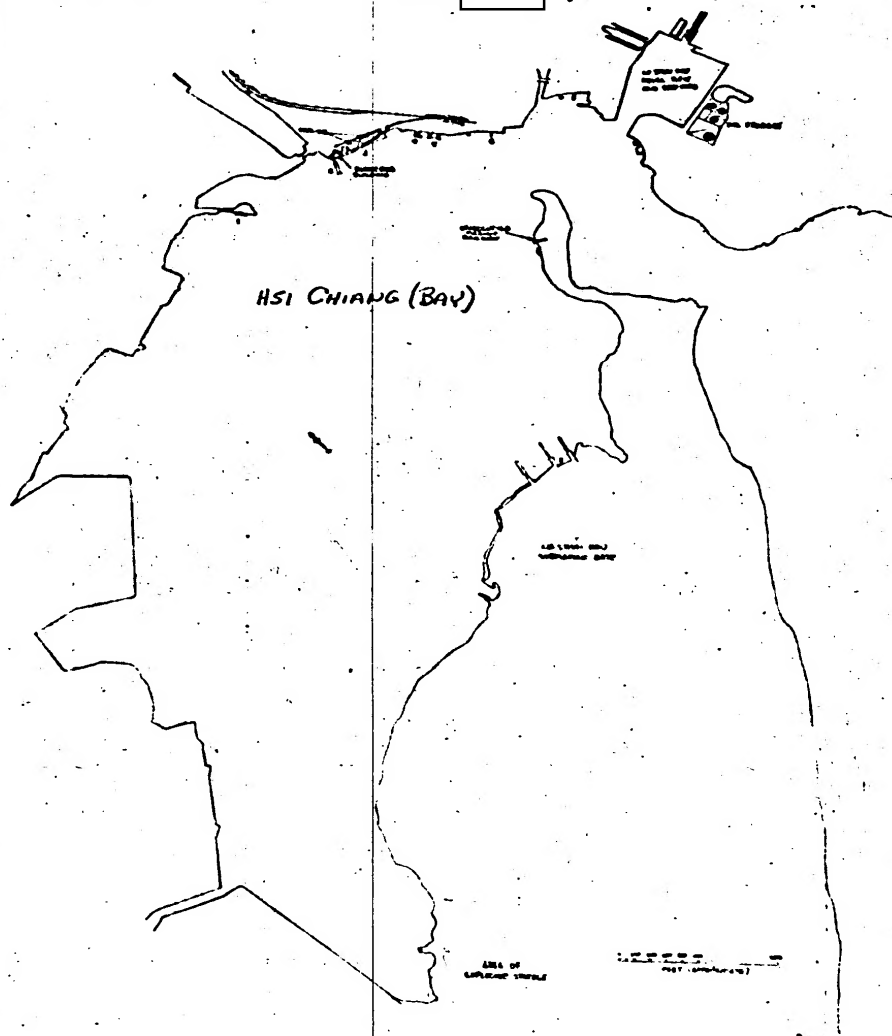
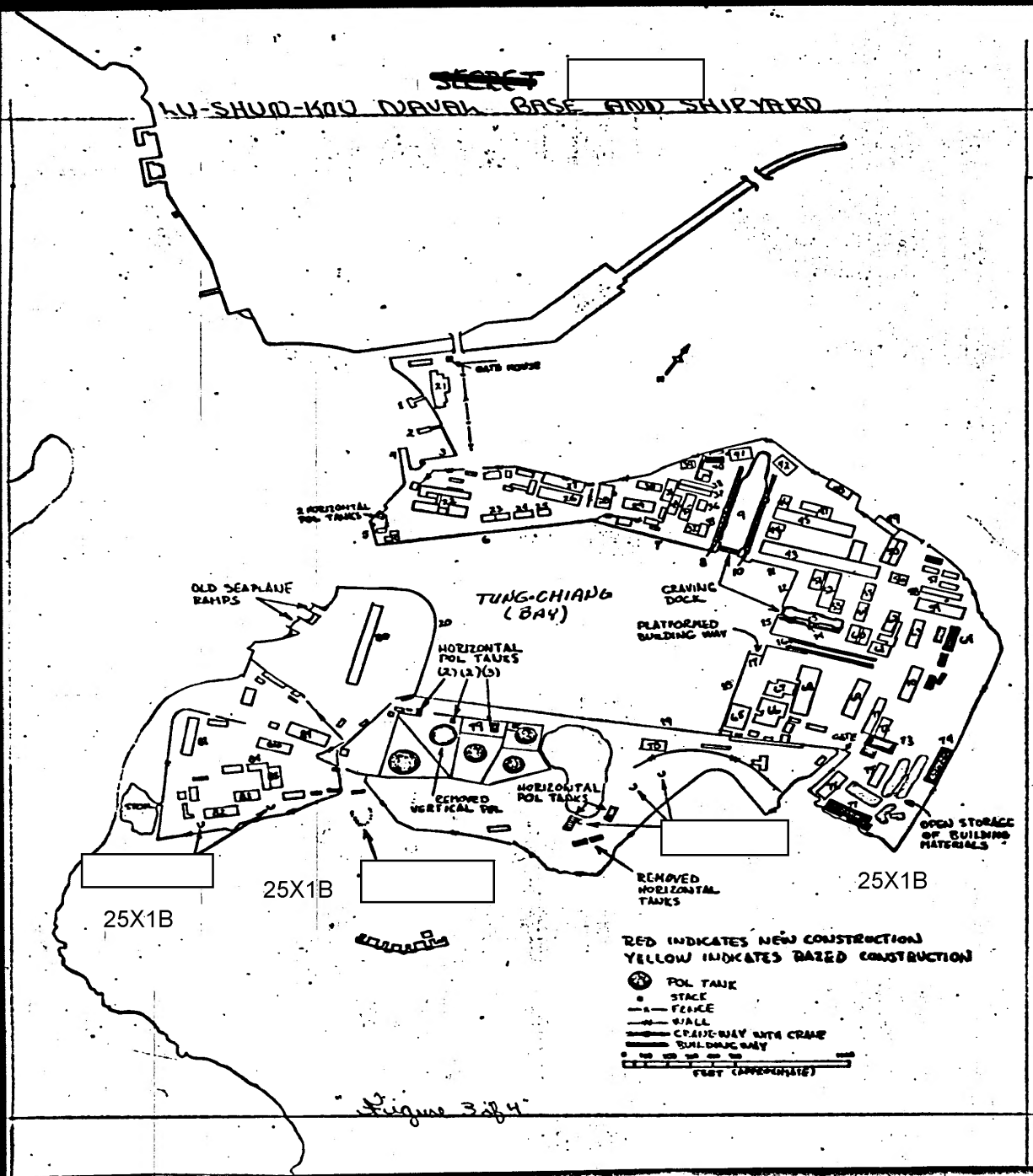


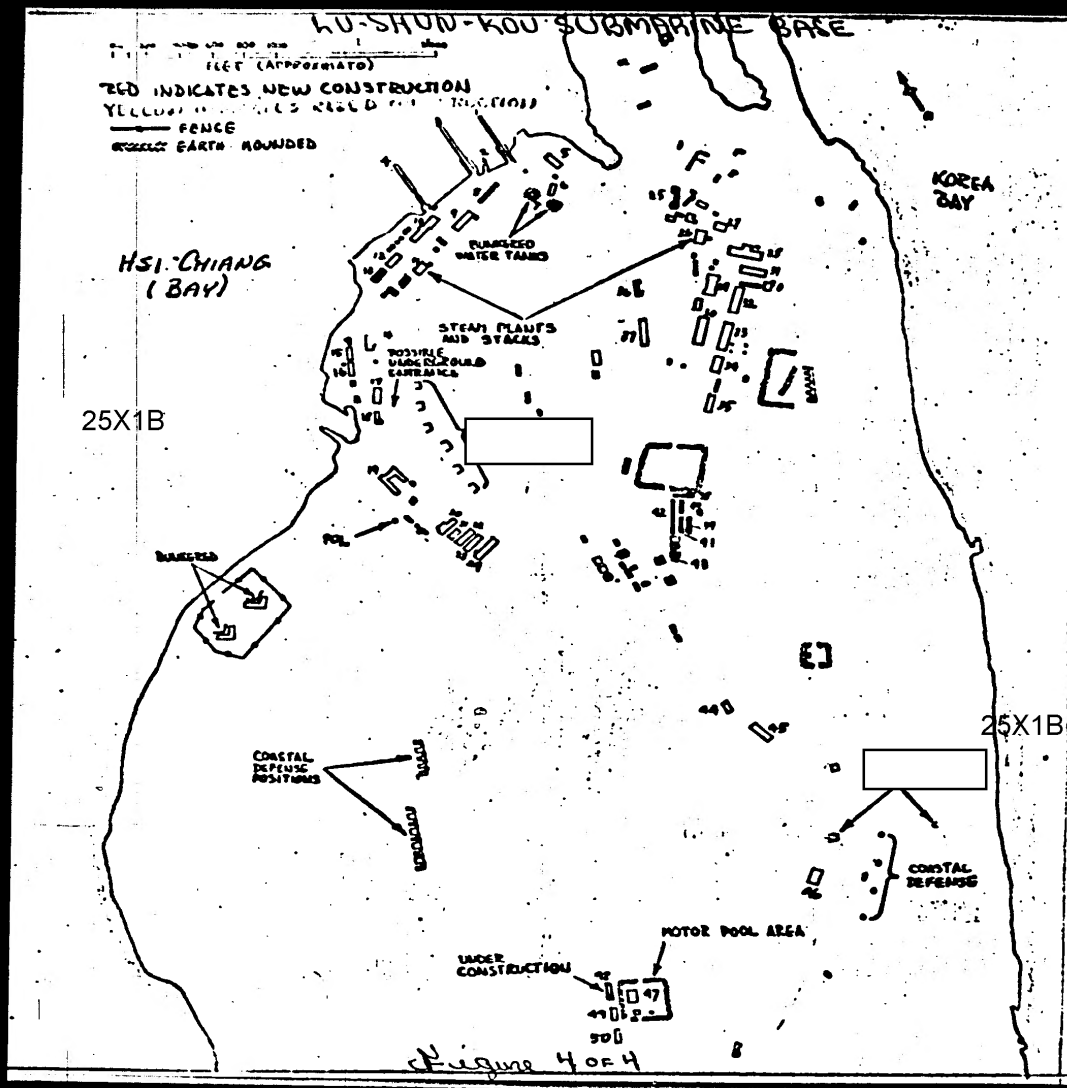
FIGURE 2 OF 4

13037 K  
FIG. 2 OF 4

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**KU-SHUN-KOU NAVAL BASE AND SHIPYARD**





Lu-shun-kou Complex, China

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The Lu-shun-kou Complex, China [ ] is located on the southern coast of the Liao-tung Pan-tao (peninsula) which extends between the Po Hoi (Gulf of Chih-li) and the Korean Bay at 38-48N 121-16E. This area is also known as Port Arthur.

25X1A

25X1A

The port complex is located along the southwestern coast of the urban area and is divided in 3 separate units: the Naval Base and Shipyard [ ], the Submarine Base [ ] and the Port Facilities. This report will deal only with these units of the port complex and will make no attempt to include either the area coastal defense installations or surrounding naval activity. Only those vessels, not thought to be assigned to these bases, will have notations under the status column. All other vessels will be assumed to be in an operational status and home ported here.

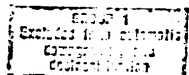
The port facilities (Figure 2) are located along the northeastern shore of Hsi Chiang (Bay) and consist of 2 piers, 1 L-Head pier, 1 small T-Head pier, 1 offshore wharf and a quayed area. One small pier was removed during the period of comparative coverage. Only vessels that have a military conotation will be listed under the port facilities and no attempt will be made to identify the numerous tugs, yard craft and barges.

25X1D

Two wharves and two piers have rail and road access, however, the rail spurs appear to be utilized mainly for the supply of coal to the area rather than the transfer of stores and supplies at dockside. All remaining facilities have road access. A possible program of harbor improvement may have been taking place as of [ ] as a dredge is located offshore from the port facilities. It can not be determined if the dredge is in operation.

The Naval Base and Shipyard (Figure 3) is located on Tung-Chiang (Bay) and surrounds the bay except for the entrance/exit. Facilities consist of 2 graving docks, 3 building/repair ways, 1 pier, 1 T-Head pier, 1 mole, and numerous quayed areas. Handling facilities consist of 3 portal jib cranes. Five buildings and 2 rows of 5 horizontal tanks each were removed during the period of comparative coverage while 9 buildings and 2 rows of 7 horizontal tanks each were added. The horizontal tanks may be the same tanks as those removed, however, they are in a different location.

25X1B



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This base and shipyard is used almost exclusively for the repair and modification of vessels. Expansion of facilities in this yard is in progress in the southeastern section with 6 new buildings constructed during the period of comparative coverage and large amounts of building material in open storage.

The Submarine Base (Figure 4) is located along the southern coast of Hsi Chiang (Bay) and along the Lao-hu-wei Pan-tao (Peninsula). Facilities consist of 4 piers. This base is divided into 2 areas with the operations area being on the north coast of the peninsula and immediately adjacent to the water while the support area is located in the middle of the peninsula and connected to the operations area by road.

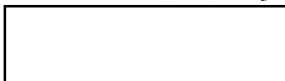
Only minor changes have taken place at this base with 15 buildings constructed and 6 tent-like structures with possible solid walls have been removed.

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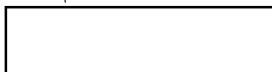
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Lu-Shun-Kou Port Facilities (Keyed to Figure 2)

<u>Item</u>	<u>Function</u>	<u>Dimensions</u>
1	T-Head pier	30x10 (approach 10 ft)
2	Pier	170x40 (approach 15 ft)
3	Quay	760
4	L-Head pier	85x25 (approach 25 ft)
5	Marginal Wharf	145x25 (2 approaches, 25 ft each)
6	Pier	80x15

25X1

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Vessels (Keyed to Figure 2)

<u>Location</u> <u>Area</u>	<u>Type/Class</u>	<u>Size/Configuration/Hatches</u>	<u>Status</u>
25X1D [ ]			
4	2 Kronshtadt-Class PC 1 U/I Surface Combatant	250x30	
25X1D [ ]			
3	1 U.S. LST-1-Class LST		
4	1 Kronshtadt-Class PC		
25X1D [ ]			
3	1 Possible U.S. LST-1 Class LST		
4	1 Possible T-43 Class MSF		
5	1 Possible Kronshtadt 1 Possible Surface Combatant 250x30		
25X1D [ ]			
3	1 U.S. LST-1-Class LST		
5	1 U/I Surface Combatant	250x30	
25X1D [ ]			
4	1 T-43-Class MSF		
5	1 Kronshtadt-Class PC 1 Possible Kaibokan-Class PF		
25X1D [ ]			
4	1 T-43-Class MSF		
5	1 Kaibokan II-Class PF 1 Kronshtadt-Class PC		

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25X1

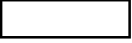


Naval Base & Shipyard Facilities (Keyed to Figure 3)

<u>Item</u>	<u>Function</u>	<u>Dimensions(ft)</u>	<u>Roof Type</u>
1	T-Head Pier Approach Length of Face Width of Head	55 45 <input type="text"/>	25X1D
2	Pier Approach Length of Face Width of Face	15 60 <input type="text"/>	25X1D
3	Small Boat Anchorage	70x200	
4	Mole Eastern Side Western Side Width	110 195 30	
5	Quay	135	
6	Quay	970	
7	Quay	550	
8	Crane Way	470	
9	Graving Dock Coping Length (from coping head to Bilge of Caisson) Coping Width Length of Caisson Width of Caisson	550 115 <input type="text"/> 15	25X1D
10	Crane Way	420	
11	Quay	260	
12	Quay	205	
13	Graving Dock Coping Length Coping Width Length of Caisson Width of Caisson	265 55 <input type="text"/>	25X1D
14	Crane Way	280	
15	Quay	105 <input type="text"/>	25X1

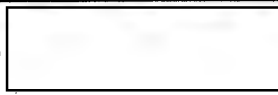
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


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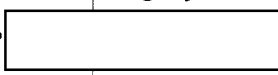
<u>Item</u>	<u>Function</u>	<u>Dimensions(ft)</u>	<u>Roof Type</u>
16	3 Building Ways/Repair Ways on inclined ramp Length Width	415 LOA 70 WOA	
17	Building Way Length Width	115 60	
18	Quay	470	
19	Quay	1365	
20	Curved Quayed Area	940 (Approx)	
21	Probable Administrative	160x55	Complex
22	Probable Administrative	230x140	Complex
23	Support (2 Buildings)	ea 70x35	Gable
24	Support	@90x40	Gable
25	Support	55x35	Gable
26	Storage	195x60	Gable
27	Storage	195x60	Gable
28	Probable Barracks	130x60	Hip
29	Administrative/Barracks	130x55	Gable
30	Support	110x35	Hip
31	Probable Administrative	130x40	Gable
32	Pump House		25X1D Hip
33	Pump House	70x35	Gable
34	Shop	150x35	Hip
35	Storage	160x35	Hip
36	Storage	70x35	Hip
37	Storage		Hip
38	Storage		25X1D Hip
39	Unknown		Hip

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<u>Item</u>	<u>Function</u>	<u>Dimensions(ft)</u>	<u>Roof Type</u>
40	Storage	75x40	Probable Flat
41	Shop	100x75	Hip with Monitor
42	Shop	100x75	Hip with Monitor
43	Shop	540x75	Gable
44	Support	80x55	Hip
45	Fabrication	350x70	Gable
46	Workshops (2 Buildings)	ea  25X1D	Gable
47	Fabrication	140x40	Gable with Monitor
48	Storage	110x50	Gable
49	Support	110x50	Gable with Dormer
50	Probable Administrative/ Support (2 joined buildings)	ea  25X1D	Both with Hip
51	Workshop		Gable/Flat
52	Forge	215x60	Gable with Monitor
53	Foundry	75x50	Flat with Monitor
54	Storage	110x40	Hip
55	Storage	90x40	Hip
56	Support	 25X1D	Double Gable
57	Probable Housing Complex	1@ 80x35 3@ 75x25	1 Flat/3 Hip with Dormers
58	Fabrication	200x25	Gable
59	Storage/Support	240x65	Gable with Monitor
60	Workshop	115x100	Double Hip (One with Monitor)
61	Shop	110x70	Gable
62	Shop	130x50	Probable Flat

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<u>Item</u>	<u>Function</u>	<u>Dimensions(ft)</u>	<u>Roof Type</u>
63	Storage	170x50	Gable
64	Possible Storage	155x50	Gable with Monitor
65	Workshop	130x90	
66	Workshop	145x125	Multi Gable
67	Workshop	120x120 overall	Multi Gable
68	Possible Boiler Shop	<div style="border: 1px solid black; width: 50px; height: 15px; display: inline-block;"></div> 25X1D	Gable with Monitor
69	Storage	230x60	Gable
70	Storage	220x60	Gable
71	Storage	195x45	Flat
72	Storage	90x45	Flat
73	Under construction	165x85	
74	Possible Storage	230x60	Gable
75	Storage	145x50	Gable
76	Storage	<div style="border: 1px solid black; width: 50px; height: 15px; display: inline-block;"></div> 25X1D	Gable
77	Storage	240x70	Gable
78	Support	120x70	Gable
79	4 POL Tanks	1@ 135 3@ 100	
80	Possible Storage	510x50	Gable with Monitor
81	Possible Barracks	230x55	Gable with Vents
82	Unknown	140x70	Gable
83	Unknown	120x65	Hip
84	Unknown (L-shaped)	160x100x40	Gable
85	Unknown	140x40	Gable
86	Unknown	200x55	Gable with Vents
87	Unknown	210x60	Gable with Vents

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25X1D

Vessels (Keyed to Figure 3)

<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
1	2 U/I Vessels	70-55/	
2	Not constructed		
3	Unoccupied		
4	3 U/I Vessels	75x15/	(All on Quay)
5	Unoccupied		
6	9 P-6-Class PT 11 P-4-Class PT 1 Floating Dry Dock	95x45/	(8 on Quay)
7	4 P-6-Class PT 1 Trawler 1 Possible ATA 6 U/I Vessels	225x30/ 85x20/ 85-60/	
9	1 W-Class SS 1 Floating Crane 1 U/I Vessel 1 U/I Vessel	95x45/ 140x30/	Repair Repair Repair
11	2 Possible T-43-Class MSF	25X1D	Possible Repair

25X1

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2

25X1D

Vessels (Keyed to Figure 3)

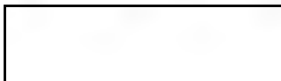
<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
1	Unoccupied		
2	3 U/I Vessels	90 thru 70/	1 partially canvas covered
3	Unoccupied		
4	2 U/I Vessels 1 U/I Vessel	70x15/ 25X1D	On quay
5	Unoccupied		
6	8 P-4 Class PT 10 P-6 Class PT 1 Floating Crane	95x45/	
7	1 Gordyy Class ODD 3 P-6 Class PT 2 Barges	140x30/	
9	Unoccupied (Pumped out)		
11	1 U.S. [ ] Class ATA 1 Tug 5 U/I Craft	95x25/ 110 thru 60/	Repair Repair Repair
12	1 Possible Tug 6 U/I Vessels	90x25 110 thru 47	Repair Repair
25X1D 13	Unoccupied (flooded)	25X1D	
15	1 U/I Vessel 1 Tug 1 Floating Crane 2 U/I Vessels	[ ] 100x25 [ ] 90 & 70	(On quay) Repair 25X1D Repair
16	5 U/I Small Craft	90 thru 70	Possible construction
17	Section of Vessel	70x15	
18	1 U.S. LST-1-Class LST 1 Coaster 1 Kaibokan II-Class PF 4 Coasters 2 Possible P-6-Class PT 1 Floating Crane	230x35 100x20 95x45	Repair Repair Repair Repair Repair

25X1

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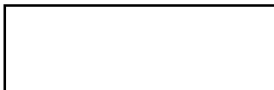


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<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
19	1 W-Class SS		
	1 Coaster	220x35	Unknown
	2 U/I Vessels	70x20 --(Pointed at both ends)	
	1 Hull	200x30	Unknown
	1 Coaster	150x25	Unknown
	3 Possible Pontoon or Floating Fuel Tanks		
20	3 Possible Pontoons or Floating Fuel Tanks		

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25X1D

Vessels (Keyed to Figure 3)

<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
1	Unoccupied		
2	3 U/I Vessels	80 thru 50 ft	
3	Unoccupied		
4	2 U/I Vessels 1 U/I Vessel	75x15 25X1D	On quay On quay
5	Unoccupied		
6	18 P-4-Class PT 11 P-6-Class PT (1 minus torpedo tubes) 1 Floating Crane	95x45	(3 on quay)
7	2 T-43 Class MSF 1 W-Class SS 3 U/I Vessels	80x15	On quay
9	1 LSM-1 Class LSM 1 Possible Roslava-Class ATA		Repair Repair
11	1 W-Class SS 1 Probable S-1 Class SS 2 Small Craft	approx. 40 ft.	Unknown Unknown
12	2 P-6-Class PT 1 Possible PC 1 Possible ATA 1 U/I Vessel	145x20 120x20 80x15	Possible repair Possible repair Possible repair
13	1 U/I Vessel 1 Barge	110x20 100x20	Repair Repair
15	1 U/I Vessel 1 U/I Vessel 2 U/I Vessels	approx. 40x10 55x10	(On quay) (On quay) 25X1D
16	6 U/I Craft	90 thru 70 ft.	Unknown
17	1 Possible Vessel	70x15	Unknown

25X1

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25X1

<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
18	2 Merchant Ships	215x35	Unknown
	1 Floating Crane	95x45	Unknown
	1 Tug	85x20	Unknown
	2 Barges	110x35	Unknown
	4 Small Vessels	90 thru 60	
19	1 Gordy Class ODD	205x25	
	1 Possible OPF	200x25	
	1 U/I Hull	70x20 --(Pointed at both ends)	
	1 U/I Vessel	90x20 --(Pointed at both ends)	
	1 Barge	100x	
20	7 Pontoons or Possible Floating Fuel Barges		

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
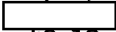
13

25X1

25X1

25X1D

Vessels (Keyed to Figure 3)

<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
1	1 U/I Vessel		25X1D
2	1 U/I Vessel 2 U/I Vessels	60x15	
3	Unoccupied		
4	2 U/I Vessels 1 U/I	75x15 	25X1D
5	Unoccupied		
6	8 P-6 Class PT 16 P-4 Class PT 1 Floating Crane	95x45	(12 on quay)
7	1 Probable PF 1 Probable Tug 4 P-6 Class PT 2 Possible Tugs 1 U/I Object	230x35 150x35 Approx. 80x20 100x20	
9	1 Probable LSM-1 Class LSM 1 Possible PC 3 U/I Small Craft 2 Sections canvas covered from wall to Possible PC	150x25 80 thru 40	Repair Repair Unknown
11	2 W-Class SS		Possible Repair
12	1 Possible T-43 Class MSF 2 Small Craft		25X1D Possible Repair Possible Repair
13	1 Possible T-43-Class MSF 1 Possible P-6-Class PT		Repair Repair
15	2 Possible Tugs 2 U/I Small Craft 1 U/I Vessel 1 U/I Vessel	80x20 65x15  40x10	25X1D (On quay) (On quay)
16	4 Small Craft	90 thru 70	Under Construction
17	1 Small Craft	70x15	Unknown

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<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
18	1 U.S. LST-1 Class LST		Unknown
	2 Merchant Ships	225x35	Unknown
	1 Floating Dredge	approx. 180x35	Unknown
	1 Barge	125x25	Unknown
	1 Tug	100x20	Unknown
	4 U/I Vessels	100x20	Unknown
19	1 Possible Kaibokan-Class PF		
	1 U/I Hull	200x25	
	1 Barge	90x20	
	1 U/I Vessel	100x25 --(Pointed at both ends)	
	1 U/I Vessel	75x20 --(Pointed at both ends)	
	1 Possible Coaster	150x25	
	2 Barges	110x20	
	1 U/I Craft	150x25	
	6 U/I Objects	40 to 50 ft.	
	1 Possible Floating Crane		

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25X1D

Vessels (Keyed to Figure 3)

[Redacted]

<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
1	U/I Vessel	[Redacted]	25X1D
2	4 U/I Possible PC 1 U/I Vessel	75x15	
3	Unoccupied		
4	3 U/I Vessels	75x15	(On quay)
5	Unoccupied		
6	18 P-4 Class PT 10 P-6 Class PT (2 minus torpedo tubes) 1 Floating Crane	95x45	(14 on quay)
7	1 U/I Trawler 1 Dredge (LOA not discernible) 1 Kaibokan II Class PF	225x30	
9	1 W-Class SS 2 Barges 1 U/I Vessel 1 U/I Hull	110x30 100x30 110x30	Repair Repair Repair Repair
11	1 W-Class SS 1 S-1 Class SS		Possible repair Possible repair
12	1 Kronshtadt Class PC 1 Flower-Class OFF 2 U/I Vessels	90x20	Possible repair Possible repair Possible repair
13	1 Komar Class PTG 1 U/I Hull	70x20	Possible repair Possible repair
15	1 U/I Vessel 4 U/I Small Craft (Lengths not discernible)	[Redacted]	25X1D (On quay)
16	2 U/I Vessels 1 Barge 1 U/I Vessel	90x15 70x20 90x30 --(Double point)	Possible construction Unknown Unknown
17	1 U/I Hull	50x20	Unknown

25X1

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[REDACTED]

<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
18	1 LST-1 Class LST		Unknown
	1 Floating Crane	95x45	Unknown
	1 Probable P-6 Class PT		Unknown
	1 Possible P-6 Class PT		Unknown
	2 U/I Vessels	90x20	Unknown
19	1 Trawler	225x30	
	1 Barge	90x25	
	1 U/I Vessel	70x25	
	1 LST-1 Class LST		
	4 Pontoons or Possible Floating Fuel Tank		(1 on quay)
20	2 Pontoons or Possible Floating Fuel Tanks		

25X1

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25X1

25X1D

Vessels (Keyed to Figure 3)

<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
1	1 U/I Vessel	75x15	
	1 U/I Vessel	<div></div>	25X1D
2	4 Probable YP	80x20	
	1 U/I Vessel	75x15	25X1D
	2 U/I Vessels	<div></div>	
3	Unoccupied		
4	2 U/I Vessels	75x15	25X1D
	1 U/I Vessel	<div></div>	{ On quay } { On quay }
5	Unoccupied		
6	16 P-4's Class PT		(10 on quay)
	1 Floating Crane	95x45	
	1 Komar Class PTGM		
	1 Osa Class PTG		
	4 P-6 Class PT (1 minus torpedo tubes)		
	1 Hull	50x15	
7	1 Dredge LOA not discernible		
	1 Kaibokan II Class PF		
	1 Kronshtadt Class PC		
	1 U/I Trawler	225x30	
	2 P-6 Class PT		
	2 U/I Vessels	95x20	
	1 Floating Caisson door	100x20	
9	Unoccupied		
11	2 W-Class SS		Possible repair
	1 W/S Class SS	LOA 250 ft.	Possible repair
	2 Swatow Class PGM		Possible repair
12	1 Bathurst-Class OFF		Possible repair
	1 Swatow-Class PGM		Possible repair
13	3 P-6 Class PT	25X1D	Possible repair
15	1 U/I Vessel	<div></div>	Unknown (On quay)
	1 U/I Vessel		Unknown (On quay)
	5 U/I Vessels	70 thru 45 ft.	Unknown
16	2 U/I Vessels	90x15	Possible construction
	1 U/I Hull	65x15	Possible construction

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25X1



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<u>Area</u>	<u>Type/Class</u>	<u>Size/Configurations/Hatches</u>	<u>Status</u>
17	1 U/I Hull	<input type="text"/> 25X1D	Unknown
18	2 LST-1 Class LST		Unknown
	1 LSM-1 Class LSM		Unknown
	1 Floating Crane	95x45	Unknown
	5 U/I Vessels	90 thru 60	Unknown
19	1 U/I Trawler	225x30	
	1 ATA	150x30	
	1 ATA	140x30	
	1 Barge	90x25	
	1 Swatow Class PGM		
	1 U/I Vessel	90x30 --(Double point)	
	1 U/I Vessel	70x25 --(Double point)	
	1 Possible ATA	80x20	
	1 U/I Vessel	90x20	
	2 Pontoons and 1 Possible		
	Pontoon or Possible Floating Fuel Tank		

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Submarine Base (Keyed to Figure 4)

<u>Item</u>	<u>Function</u>	<u>Size(ft)</u>	<u>Roof-Type</u>
1	Pier	270 - From end of approach	
2	Pier	100 - Overall length	
3	Pier	300 - From end of approach	
4	Pier	300 - From end of approach including ramp	
5	Operations Support	120x45	Gable with dormers
6	Operations Support	85x25	Flat
7	2 Water Tanks	approx. 85 ft in diameter	
8	Operations Support	155x25	Gable
9	Operations Support	170x45	Gable
10	Administrative	245x60 at widest point	Flat with heat vents
11	Heat Plant	90x60	Gable
12	Support	115x40	Gable
13	Support	115x40 25X1D	Gable
14	Support	<div style="border: 1px solid black; width: 60px; height: 15px;"></div>	Gable with flat extension
15	Storage	115x30	Gable
16	Storage	115x30 25X1D	Gable
17	Probable Storage	115x50	Gable - Earth mounded
18	Possible Storage	95x40	Gable
19	U-shaped Storage/Support	<div style="border: 1px solid black; width: 140px; height: 15px;"></div>	Gable
20	Storage	140x40	Gable
21	Storage	90x40	Gable

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<u>Item</u>	<u>Function</u>	<u>Size(ft)</u>	<u>Roof-Type</u>
22	Storage	150x40	Gable
23	Storage	150x40	Gable
24	Storage	185x40	Gable
25	Support	155x30	Gable
26	Heat Plant	<input type="text"/> 25X1D	Near flat
27	Possible Storage	75x60	Multi-gable
28	"T-shaped" Mess Hall	215x55	Gable with dormers
29	Possible Barracks	165x55	Hip with gable at one end
30	Barracks	215x60	Hip with vents
31	Support	170x45	Gable
32	Barracks	215x60	Hip with vents
33	Barracks	215x60	Hip with vents
34	Probable Barracks	130x45	Hip with dormers
35	Probable Barracks	150x45	Hip with dormers
36	"U-shaped" Probable Administrative	100x40 max width	Flat
37	Probable Administrative	210x50	Gable
38	Storage	135x20	Gable with vent
39	Storage	135x20	Gable with vents
40	Storage	135x20	Gable with vents
41	Storage	135x20	Gable with vents
42	Storage	265x20	Gable with vents
43	Storage	100x20	Gable with vents
44	Probable Storage	90x40	Gable
45	Probable Storage	160x45	Gable
46	Storage	115x70	Flat

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<u>Item</u>	<u>Function</u>	<u>Size(ft)</u>	<u>Roof-Type</u>
47	Vehicle Maintenance	105x55	Gable with vents
48	Under Construction	110x40	
49	Support	110x40	Gable with vents
50	Support	110x40	Gable with vents

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Vessels (Keyed to Figure 4)

25X1D  Mono only

<u>Item</u>	<u>Type/Class</u>
1	1 Probable W-Class SS
2	Unoccupied
3	5 Probable W-Class SS
4	2 Probable W-Class SS 1 U/I Vessel and 1 Probable W-Class SS off shore

25X1D

1	4 W-Class SS
2	Unoccupied
3	4 W-Class SS
4	Floating Crane 1 Possible S Class SS off shore

25X1D

1	1 W-Class SS
2	Unoccupied
3	2 W-Class SS
4	Floating Crane 2 W/S-Class SS and 1 Tug off shore 1 W-Class SS departing base at channel inlet

25X1D

1	1 W-Class SS
2	Cloud covered
3	4 Probable W-Class SS
4	Approach in place -- pier missing 1 W Probable Class SS, 1 Lighter and 1 U/I Vessel off shore

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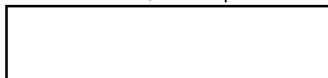
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<u>Item</u>	<u>Type/Class</u>
25X1D	
1	2 Probable W-Class SS
2	Unoccupied
3	2 Probable W-Class SS
4	Floating Crane

25X1D	
1	2 W-Class SS
2	Unoccupied
3	1 W-Class SS, 1 Possible R-Class SS
4	Floating Crane

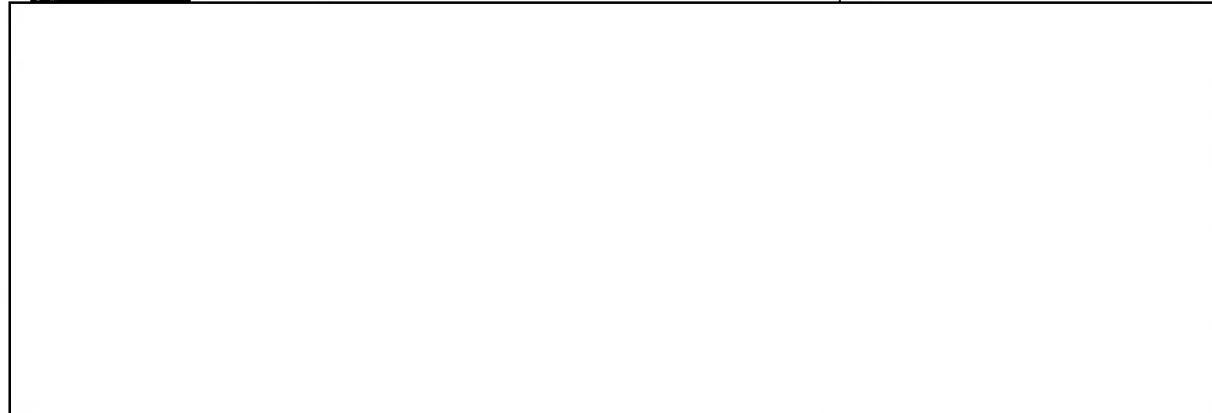
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REFERENCES

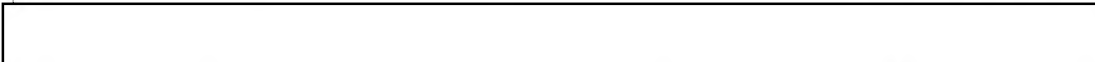
25X1D  
PHOTOGRAPHY:



DOCUMENTS:

National Intelligence Survey 39A Communist China Section 3 Secondary Ports ~~SECRET~~

25X1C



Special Photographic Interpretation Report No. S/63/139 Job No. S6018  
Chinese Industries Port Arthur (Lu-shun) Port Arthur Dockyard and Submarine  
Base ~~SECRET~~

25X1C

MAPS:

DIA U.S. Air Target Chart Series 200, 0381-9HL, 2nd ed., Dec. 63, ~~SECRET~~

25X1

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